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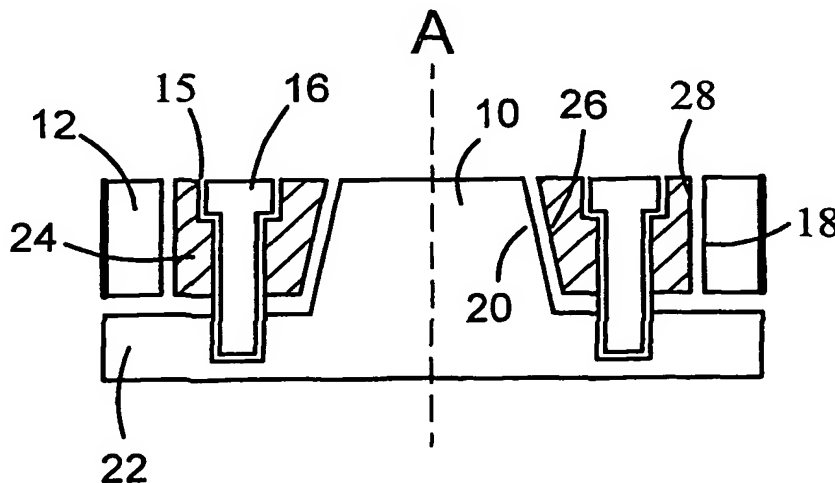
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(54) Title: SCALE READING APPARATUS



(57) Abstract: A rotary ring system for use in scale reading apparatus comprises a rotary ring (12), provided with scale marks on its surface and at least one intermediate member (24). The at least one intermediate member (24) is fitted between the rotary ring (12) and the machine part (10) on which the rotary ring is to be mounted. Application of a force to the at least one intermediate member adjusts the effective radius of the rotary ring. The at least one intermediate member may be tangentially compliant.